

=====

Sequence Listing was accepted with existing errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: Wed Jun 06 09:31:44 EDT 2007

=====

Application No: 10587370

Version No: 1.0

Input Set:

Output Set:

Started: 2007-06-05 17:16:20.859

Finished: 2007-06-05 17:16:24.597

Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 738 ms

Total Warnings: 28

Total Errors: 2

No. of SeqIDs Defined: 33

Actual SeqID Count: 33

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)

Input Set:

Output Set:

Started: 2007-06-05 17:16:20.859
Finished: 2007-06-05 17:16:24.597
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 738 ms
Total Warnings: 28
Total Errors: 2
No. of SeqIDs Defined: 33
Actual SeqID Count: 33

Error code	Error Description
	This error has occurred more than 20 times, will not be displayed
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (33)

SEQUENCE LISTING

<110> Genentech, Inc.

<120> BCMA POLYPEPTIDES AND USES THEREOF

<130> 11669.0237USWO

<140> 10587370

<141> 2007-06-05

<150> 10/587,370

<151> 2006-07-26

<150> PCT/US2004/025247

<151> 2004-08-04

<150> US 60/540,271

<151> 2004-01-29

<160> 33

<170> PatentIn version 3.3

<210> 1

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<220>

<221> MISC_FEATURE

<222> (2)..(5)

<223> Xaa is any amino acid except cysteine

<220>

<221> MISC_FEATURE

<222> (7)..(7)

<223> Xaa is any amino acid except cysteine

<220>

<221> MISC_FEATURE

<222> (9)..(9)

<223> Xaa is any amino acid except cysteine

<220>

<221> MISC_FEATURE

<222> (11)..(11)

<223> Xaa is any amino acid residue except Ala and cysteine

<220>

<221> MISC_FEATURE

<222> (12)..(13)

<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (18)..(20)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (22)..(29)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (31)..(33)
<223> Xaa is any amino acid except cysteine

<400> 1

Cys Xaa Xaa Xaa Xaa Tyr Xaa Asp Xaa Leu Xaa Xaa Xaa Cys Lys Xaa
1 5 10 15

Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
20 25 30

Xaa Cys

<210> 2
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<220>
<221> MISC_FEATURE
<222> (2)..(5)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (9)..(9)

<223> Xaa is any amino acid except cysteine

<220>

<221> MISC_FEATURE

<222> (11)..(11)

<223> Xaa is any amino acid residue except Ala and cysteine

<220>

<221> MISC_FEATURE

<222> (12)..(13)

<223> Xaa is any amino acid except cysteine

<220>

<221> MISC_FEATURE

<222> (16)..(16)

<223> Xaa is any amino acid except cysteine

<220>

<221> MISC_FEATURE

<222> (18)..(20)

<223> Xaa is any amino acid except cysteine

<220>

<221> MISC_FEATURE

<222> (22)..(29)

<223> Xaa is any amino acid except cysteine

<220>

<221> MISC_FEATURE

<222> (31)..(33)

<223> Xaa is any amino acid except cysteine

<400> 2

Cys Xaa Xaa Xaa Xaa Tyr Xaa Asp Xaa Leu Xaa Xaa Xaa Cys Lys Xaa
1 5 10 15

Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
20 25 30

Xaa Cys Asn Ser Val Lys Gly Thr
35 40

<210> 3

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<220>

<221> MISC_FEATURE

<222> (2)..(5)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (9)..(9)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (11)..(11)
<223> Xaa is Leu, Val or Ile

<220>
<221> MISC_FEATURE
<222> (12)..(13)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (18)..(20)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (22)..(29)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (31)..(33)
<223> Xaa is any amino acid except cysteine

<400> 3

Cys Xaa Xaa Xaa Xaa Tyr Xaa Asp Xaa Leu Xaa Xaa Xaa Cys Lys Xaa
1 5 10 15

Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
20 25 30

Xaa Cys

<210> 4
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<220>
<221> MISC_FEATURE
<222> (2)..(5)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (9)..(9)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (11)..(11)
<223> Xaa is any amino acid residue except Ala and cysteine

<220>
<221> MISC_FEATURE
<222> (12)..(13)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (18)..(18)
<223> Xaa is selected from the group consisting of Gln, Asp and Ala

<220>
<221> MISC_FEATURE
<222> (19)..(20)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (22)..(29)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (31)..(33)

<223> Xaa is any amino acid except cysteine

<400> 4

Cys Xaa Xaa Xaa Xaa Tyr Xaa Asp Xaa Leu Xaa Xaa Xaa Cys Lys Xaa
1 5 10 15

Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
20 25 30

Xaa Cys

<210> 5

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<220>

<221> MISC_FEATURE

<222> (2)..(5)

<223> Xaa is any amino acid except cysteine

<220>

<221> MISC_FEATURE

<222> (7)..(7)

<223> Xaa is any amino acid except cysteine

<220>

<221> MISC_FEATURE

<222> (9)..(9)

<223> Xaa is any amino acid except cysteine

<220>

<221> MISC_FEATURE

<222> (11)..(11)

<223> Xaa is any amino acid residue except Ala and cysteine

<220>

<221> MISC_FEATURE

<222> (12)..(13)

<223> Xaa is any amino acid except cysteine

<220>

<221> MISC_FEATURE

<222> (16)..(16)

<223> Xaa is any amino acid except cysteine

<220>

<221> MISC_FEATURE

<222> (18)..(18)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (22)..(29)
<223> Xaa is any amino acid except cysteine

<220>
<221> MISC_FEATURE
<222> (31)..(33)
<223> Xaa is any amino acid except cysteine

<400> 5

Cys	Xaa	Xaa	Xaa	Xaa	Tyr	Xaa	Asp	Xaa	Leu	Xaa	Xaa	Xaa	Cys	Lys	Xaa
1				5					10					15	

Cys	Xaa	Asp	Tyr	Cys	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Cys	Xaa	Xaa
			20					25					30		

Xaa Cys

<210> 6
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 6

Cys	Ser	Gln	Asn	Glu	Tyr	Phe	Asp	Ser	Leu	Leu	His	Ala	Cys	Lys	Pro
1				5					10					15	

Cys	Gln	Leu	Arg	Cys	Ser	Ser	Asn	Thr	Pro	Pro	Leu	Thr	Cys	Gln	Arg
			20					25					30		

Tyr Cys

<210> 7
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 7

Cys Ser Gln Asn Glu Tyr Phe Asp Ser Leu Leu His Ala Cys Lys Pro
1 5 10 15

Cys Asp Leu Arg Cys Ser Ser Asn Thr Pro Pro Leu Thr Cys Gln Arg
20 25 30

Tyr Cys

<210> 8

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 8

Cys Ser Gln Asn Glu Tyr Phe Asp Ser Leu Leu His Ala Cys Lys Pro
1 5 10 15

Cys Asp Leu Tyr Cys Ser Ser Asn Thr Pro Pro Leu Thr Cys Gln Arg
20 25 30

Tyr Cys

<210> 9

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 9

Cys Ser Gln Asn Glu Tyr Phe Asp Ser Leu Val His Ala Cys Lys Pro
1 5 10 15

Cys Gln Leu Arg Cys Ser Ser Asn Thr Pro Pro Leu Thr Cys Gln Arg
20 25 30

Tyr Cys

<210> 10
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<220>
<221> MISC_FEATURE
<222> (2)..(5)
<223> Xaa is any amino acid except cysteine; and provided that the
synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa is selected from the group consisting of Tyr, Ala, Asp, Ser
and Phe

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Xaa is any amino acid except cysteine; and provided that the
synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
<221> MISC_FEATURE
<222> (9)..(9)
<223> Xaa is any amino acid except cysteine; and provided that the
synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
<221> MISC_FEATURE
<222> (11)..(11)
<223> Xaa is any amino acid residue except Ala

<220>
<221> MISC_FEATURE
<222> (12)..(13)
<223> Xaa is any amino acid except cysteine; and provided that the
synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
<221> MISC_FEATURE
<222> (15)..(15)
<223> Xaa is any amino acid residue except Ala or Lys

<220>
<221> MISC_FEATURE
<222> (16)..(16)

<223> Xaa is any amino acid except cysteine; and provided that the synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
<221> MISC_FEATURE
<222> (18)..(18)
<223> Xaa is selected from the group consisting of Gln, Asp and Ala

<220>
<221> MISC_FEATURE
<222> (19)..(19)
<223> Xaa is any amino acid except cysteine; and provided that the synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa is selected from the group consisting of Tyr and Ala

<220>
<221> MISC_FEATURE
<222> (22)..(29)
<223> Xaa is any amino acid except cysteine; and provided that the synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
<221> MISC_FEATURE
<222> (31)..(33)
<223> Xaa is any amino acid except cysteine; and provided that the synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<400> 10

Cys Xaa Xaa Xaa Xaa Xaa Asp Xaa Leu Xaa Xaa Xaa Cys Xaa Xaa
1 5 10 15

Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
20 25 30

Xaa Cys

<210> 11
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<220>
 <221> MISC_FEATURE
 <222> (2)..(5)
 <223> Xaa is any amino acid except cysteine; and provided that the
 synthetic sequence does not comprise the sequence
 CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
 <221> MISC_FEATURE
 <222> (6)..(6)
 <223> Xaa is selected from the group consisting of Tyr, Ala, Asp, Ser
 and Phe

<220>
 <221> MISC_FEATURE
 <222> (7)..(7)
 <223> Xaa is any amino acid except cysteine; and provided that the
 synthetic sequence does not comprise the sequence
 CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
 <221> MISC_FEATURE
 <222> (9)..(9)
 <223> Xaa is any amino acid except cysteine; and provided that the
 synthetic sequence does not comprise the sequence
 CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
 <221> MISC_FEATURE
 <222> (11)..(11)
 <223> Xaa is Leu, Val or Ile

<220>
 <221> MISC_FEATURE
 <222> (12)..(13)
 <223> Xaa is any amino acid except cysteine; and provided that the
 synthetic sequence does not comprise the sequence
 CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
 <221> MISC_FEATURE
 <222> (15)..(15)
 <223> Xaa is any amino acid residue except Ala or Lys

<220>
 <221> MISC_FEATURE
 <222> (16)..(16)
 <223> Xaa is any amino acid except cysteine; and provided that the
 synthetic sequence does not comprise the sequence
 CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
 <221> MISC_FEATURE
 <222> (18)..(18)
 <223> Xaa is selected from the group consisting of Gln, Asp and Ala

<220>
<221> MISC_FEATURE
<222> (19)..(19)
<223> Xaa is any amino acid except cysteine; and provided that the
synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> Xaa is selected from the group consisting of Tyr and Ala

<220>
<221> MISC_FEATURE
<222> (22)..(29)
<223> Xaa is any amino acid except cysteine; and provided that the
synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
<221> MISC_FEATURE
<222> (31)..(33)
<223> Xaa is any amino acid except cysteine; and provided that the
synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<400> 11

Cys Xaa Xaa Xaa Xaa Xaa Xaa Asp Xaa Leu Xaa Xaa Xaa Cys Xaa Xaa
1 5 10 15

Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
20 25 30

Xaa Cys

<210> 12
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<220>
<221> MISC_FEATURE
<222> (2)..(5)
<223> Xaa is any amino acid except cysteine; and provided that the
synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>

<221> MISC_FEATURE
<222> (6)..(6)
<223> Xaa is selected from the group consisting of Tyr, Ala, Asp, Ser
and Phe

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Xaa is any amino acid except cysteine; and provided that the
synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
<221> MISC_FEATURE
<222> (9)..(9)
<223> Xaa is any amino acid except cysteine; and provided that the
synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
<221> MISC_FEATURE
<222> (11)..(11)
<223> Xaa is any amino acid residue except Ala

<220>
<221> MISC_FEATURE
<222> (12)..(13)
<223> Xaa is any amino acid except cysteine; and provided that the
synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
<221> MISC_FEATURE
<222> (15)..(15)
<223> Xaa is Ile, Val or Ala

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> Xaa is any amino acid except cysteine; and provided that the
synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
<221> MISC_FEATURE
<222> (18)..(18)
<223> Xaa is selected from the group consisting of Gln, Asp and Ala

<220>
<221> MISC_FEATURE
<222> (19)..(19)
<223> Xaa is any amino acid except cysteine; and provided that the
synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
<221> MISC_FEATURE

<222> (20)..(20)
<223> Xaa is selected from the group consisting of Tyr and Ala

<220>
<221> MISC_FEATURE
<222> (22)..(29)
<223> Xaa is any amino acid except cysteine; and provided that the
synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<220>
<221> MISC_FEATURE
<222> (31)..(33)
<223> Xaa is any amino acid except cysteine; and provided that the
synthetic sequence does not comprise the sequence
CSQNEYFDSLHACIPCQLRCSSNTPPLTCQRYC

<400> 12

Cys Xaa Xaa Xaa Xaa Xaa Xaa Asp Xaa Leu Xaa Xaa Xaa Cys Xaa Xaa
1 5 10 15

Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
20 25 30

Xaa Cys

<210> 13
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 13

Cys Ser Gln Asn Glu Ala Phe Asp Ser Leu Leu His Ala Cys Ile Pro
1 5 10 15

Cys Gln Leu Arg Cys Ser Ser Asn Thr Pro Pro Leu Thr Cys Gln Arg
20 25 30

Tyr Cys

<210> 14
<211> 34
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 14

Cys Ser Gln Asn Glu Ser Phe Asp Ser Leu Leu His Ala Cys Ile Pro
1 5 10 15

Cys Gln Leu Arg Cys Ser Ser Asn Thr Pro Pro Leu Thr Cys Gln Arg
20 25 30

Tyr Cys

<210> 15

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 15

Cys Ser Gln Asn Glu Phe Phe Asp Ser Leu Leu His Ala Cys Ile Pro
1 5 10 15

Cys Gln Leu Arg